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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/782,287	02/19/2004	Jei-Fu Shaw	08919-104001 / 09A-911128	4293	
69713 OCCHILITI RO	69713 7590 11/01/2007 OCCHIUTI ROHLICEK & TSAO, LLP			EXAMINER	
10 FAWCETT	STREET		KIM, TAEYOON		
CAMBRIDGE	AMBRIDGE, MA 02138		ART UNIT	PAPER NUMBER	
			1651		
			MAIL DATE	DELIVERY MODE	
			11/01/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/782,287	SHAW ET AL.
		Examiner	Art Unit
		Taeyoon Kim	1651
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is a sign of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time 17 iiii apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication.
Status	·		
2a) <u></u>	Responsive to communication(s) filed on <u>04 Sec</u> This action is FINAL . 2b) This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro	
Dispositi	on of Claims	•	
5)□ 6)⊠ 7)□ 8)□	Claim(s) 14-16,18-20 and 31-36 is/are pending 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 14-16,18-20 and 31-36 is/are rejected Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.	
Applicati	on Papers	·	•
10) 🗌	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Example.	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority u	nder 35 U.S.C. § 119		·
12) <u></u> a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau ee the attached detailed Office action for a list of	have been received. have been received in Application ty documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage
Attachment	(s)	•	
2) 🔲 Notice 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Dal 5) Notice of Informal Pa 6) Other:	te

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DETAILED ACTION

Claims 14-16, 18-20 and 31-36 are pending.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/4/2007 has been entered.

Claims 1-13, 17 and 21-30 are canceled, claims 31-36 are newly added, and claims 14-16, 18-20 and 31-36 are pending and have been considered on the merits. All arguments have been fully considered.

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Newly added claims 31-36 disclose the limitation to the elevated temperature being at about 90°C. Since the specification discloses only 90°C rather than "about 90°C", which is broader scope than 90°C disclosed in the specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claims 14-16 and 18-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The term "elevated" in claim 14 is a relative term which renders the claim indefinite. The term "elevated" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. Applicant is advised to specifically disclose temperature or disclose a standard in comparison to the claimed temperature.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14-16, 18-20 and 31-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seidman et al. (US 3,551,293) in view of Iwano et al. (JP 10-248562).

Claims 14-16, 18-20 and 31-36 are drawn to a method for producing a fermentation product from rice comprising, 1) treating the starch-containing produce slurry with α-amylase at about 90°C; 2) removing insoluble materials from the slurry to obtain a starch hydrolysates-containing solution; 3) treating the starch hydrolysates-containing solution with glucoamylase to obtain glucose-rich syrup; and 4) treating the

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syrup with a microorganism (yeast) to obtain wine.

Seidman et al. teach a process of liquefying rice starch (see column 5, lines 6-10) to a soluble hydrolysate using α -amylase at a temperature about 170°F-195°F, which is 76.7°C-90.5°C (see column 2, lines 46-60), and then a saccharification enzyme such as glucoamylase in the second step (see column 2, lines 8-12). Sediman et al. also teach gelatinization of enzyme-containing slurry at the temperature disclosed above (see column 2, lines 54-60). Seidman et al. also teach the removal of insolubles being removed by filtration (see column 13, lines 27-28).

Seidman et al. do not teach the step of fermentation using glucose-rich syrup to produce fermentation product such as wine.

lwano et al. teach rice as a source of making wine (sake) by fermentation involving hydrolysis of rice.

It would therefore have been obvious for the person of ordinary skill in the art at the time the invention was made to use the syrup made by the method of Seidman et al. in the fermentation process taught by Iwano et al.

The skilled artisan would have been motivated to make such a modification because since the glucose-rich syrup obtained from the method of Seidman et al. would be considered as the same syrup used in fermentation process to produce rice wine taught by Iwano et al. Therefore, a person of ordinary skill in the art would consider the syrup taught by Seidman et al. and the hydrolysates of Iwano et al. as art-recognized equivalents suitable for producing rice wine.

M.P.E.P. §2144.07 states "The selection of a known material based on its

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suitability for its intended use supported a prima facie obviousness determination in Sinclair & Carroll Co. v. Interchemical Corp., 325 U.S. 327, 65 USPQ 297 (1945)

(Claims to a printing ink comprising a solvent having the vapor pressure characteristics of butyl carbitol so that the ink would not dry at room temperature but would dry quickly upon heating were held invalid over a reference teaching a printing ink made with a different solvent that was nonvolatile at room temperature but highly volatile when heated in view of an article which taught the desired boiling point and vapor pressure characteristics of a solvent for printing inks and a catalog teaching the boiling point and vapor pressure characteristics of butyl carbitol. "Reading a list and selecting a known compound to meet known requirements is no more ingenious than selecting the last piece to put in the last opening in a jig-saw puzzle." 325 U.S. at 335, 65 USPQ at 301.)".

Therefore, the invention as a whole would have been prima facie obvious to a person of ordinary skill at the time the invention was made.

Conclusion

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taeyoon Kim whose telephone number is 571-272-9041. The examiner can normally be reached on 8:00 am - 4:30 pm ET (Mon-Fri).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Wityshyn can be reached on 571-272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Taeyoon Kim, Ph.D. **Assistant Examiner** AU-1651

Primary Examiner